BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

		Estimate Cost Rs.	500000.00

Name of Work: Detailed Estimate for the work of Construction of Culverts at Village area in ward No- 02 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2015-16	**cum**							
	for culvert		1	9.00	1.50	1.00	13.50		
	For Ornamental board	2x5	10	0.45	0.45	0.60	1.22		
							14.72	192.24	**2829.00**
	Basic Rate	178.00							
	Area Weightage @ 8%	14.24							
	Total	**192.24**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification Item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16)	cum							
				Vide Item No. 1			14.72	85.60	1260.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.20 X 4	11.26							
		79.26							
	Area Weightage @ 8%	6.34							
	Total	**85.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix **1:3:6 withOPC** cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	for Culvert		1	9.00	1.20	0.20	2.16		
	for ramp 1/2x0.75x0.3	1x2	2	9.00	0.75	0.15	2.03		
							4.19	**5236.92**	**21917.00**
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	5236.92							
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	for Culvert		1	9.00	1.20	0.30	3.24		
	side walls		2	9.00	0.30	0.75	4.05		
	for deck slab		1	9.00	1.20	0.30	3.24		
	for existing culvert deck slab		1	9.00	1.20	0.30	3.24		
							13.77	6198.12	85348.00
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	6198.12							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	for Culvert 120 kg/cum		1.200	13.77			16.52		
				13.77			16.52	6980.58	115347.00
	Basic Rate	6463.50							
	Area Weightage @ 8%	517.08							
	Total	6980.58							
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2015-16	sqm							
	for Culvert	1x4	4	9.00	0.75		27.00		
	deck bottom		1	9.00	0.60		5.40		
	side for deck sln	1x2	2	9.00	0.30		5.40		
		1x2	2	1.20	0.30		0.72		
	for existing deck slab	1x2	2	9.00	0.30		5.40		
		1x2	2	1.20	0.30		0.72		
			1	9.00	0.60		5.40		
							50.04	306.72	15348.00
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
	Total	306.72							
7	Providing and fixing **ornamental name boards** of size 2.10 X 0.50Mtrs and column of size 0.15 x 0.15 Mtrs of height 1.23 Mtrs of each board made of C C 1:1, 5:3 with necessary centrering and form work smooth finishing with reinforcement etc including fabrication charges painting concreting and transportation charges from manufacturing yard to the site of work all lead and lift loadiing and undloading and labour charges etc. complete as per the direction of the engineer incharge of the work								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Quation Approved Rates in BBMP	Each							
			5				5.00	6200.00	31000.00
8	KSRRB M 800-2 **Retro - Reflectorised Traffic Signs :-** Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per Revised IRC : 67 - 2012 made of high intensity grade sheeting wile clause 800.1.3 fixed over aluminium sheeting 1.5 mm thick supported on a mild steel angle iron post 75mm x 75mm x 6mm firmly fixed to the ground by means of the properly design foundation with M 15 grage cement concrete 45cms x 45cm x 60cm, 60 cm below ground level as per approved drawing. 60cm x 60cm square type XI PAge No 179 item No 24.2.6.2								
	missing qty	Each							
			28				28.00	3893.40	109015.20
	Basic Rate	3605.00							
	Area Weightage @ 8%	288.40							
	Total	3893.40							
9	KSRB- 4-1.6 : **Providing and laying in position plain cement concrete of mix 1:2:4** with cement @ 240 kgs with 20 mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459 cum machine mixed concrete laid in layers not exceeding 15 cms thick well compacted, in foundation plinth and cills including cost of all materials labour HOM of machinery curing complete as per specification specification No KBS 4.1.4.2 No. 12/ Item No. 4.6/ PWD SR 2015-16	cum							
	Ornamental Boards	5x2	10	0.60	0.60	0.60	2.16		
							2.16	5490.72	11860.00
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	5490.72							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRRB 800-1: **painting two coats after filling the surface** with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification MORTH chapter 8, No. 179/ Item No. 24.1/ PWD SR 2015-16	sqm							
	Ornamental Boards	2x5	10	2.10		0.50	10.50		
	Columns Ornamental Boards	2x5	10	0.60		1.00	6.00		
							16.50	61.56	1016.00
	Basic Rate	57.00							
	Area Weightage @ 8%	4.56							
	Total	61.56							
11	KSRRB M800-9: **Painting new Kannada letter and figures of any shade with synthetic enamel paint block or any other approved** colour to give an even shade complete as per specification, ("ii) Hindi (Matras commas and the like not to be measured and paid for half letter shall be counted as half) MORTH specification No. 803, No. 181/ Item No. 24.9/ PWD SR 2015-16	cm							
	for new & Existing sign board		1	130000			130000		
							130000	0.76	98280.00
	Basic Rate	0.70							
	Area Weightage @ 8%	0.06							
	Total	0.76							
12	1% of Quality control charges								5000.00
13	Miscellaneous charges								1780.00
								Total	500000.00
	(Rupees Five Lakhs Only)								

Administrative Sanction for 5,000 lakhs
Five Lakhs only
is accorded under head P-1771-2015-16
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. CE/YNK/00/42/15-16 2-1-16
Executive Engineer

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

TECHNICALLY SANCTIONED FOR Rs. 5,000 lakhs
Rupees Five Lakhs only
Under P-1771-2015-16
Registered as CE ( ) No. .....
Subject to conditions contained in enclosed memo EE ( ) No. CE/YNK/15/50/15-16
Dt. 2-1-16 for Rs. 5,000 lakhs